



**INDIANA
MICHIGAN
POWER**

**Indiana Michigan
Power Company**
Nuclear Generation Group
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October 28, 2008

AEP-NRC-2008-37
10 CFR 50.71(e)
10 CFR 50.59(d)(2)
10 CFR 50.54(a)(3)

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
10 CFR 50.71(e) UPDATE AND RELATED SITE CHANGE REPORTS

- References:
1. Letter from J. B. Hickman, Nuclear Regulatory Commission (NRC), to E. E. Fitzpatrick, Indiana Michigan Power Company (I&M), "Donald C. Cook Nuclear Plant, Units 1 and 2 – Exemption to 10 CFR 50.71(e)(4) (TAC Nos. M99494 and M99495)," dated March 3, 1998.
 2. Letter from M. A. Peifer, I&M, to NRC Document Control Desk, "Donald C. Cook Nuclear Plant Units 1 and 2, 10 CFR 50.71(e) Update and Related Site Change Reports," AEP:NRC:7071-01, dated May 11, 2007.

Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, hereby submits the CNP Updated Final Safety Analysis Report (UFSAR) update as required by 10 CFR 50.71(e), a report of changes, tests, and experiments as required by 10 CFR 50.59(d)(2), a Commitment Change Summary Report as recommended by NEI 99-04, "Guidelines for Managing Nuclear Regulatory Commission Commitment Changes," the updated Quality Assurance Program Description as required by 10 CFR 50.54(a)(3), description of changes and updates to the Technical Specification (TS) Bases consistent with 10 CFR 50.71(e), description of changes and updates to the Technical Requirements Manual, and copies of the Fire Protection Program Manual, Fire Hazards Analysis, and Safe Shutdown Capability Assessment in accordance with 10 CFR 50.71(e).

The reporting period for this update is from January 1, 2007, through April 30, 2008. Reference 1 requires I&M to submit updates to the CNP UFSAR once every Unit 1 fuel cycle, within 6 months of each outage, not to exceed 24 months from the last submittal. The most current Unit 1 refueling outage ended April 29, 2008. The last update submittal was May 11, 2007, Reference 2.

There were no changes to the following documents since the last update: Quality Assurance Program Description, Fire Protection Program Manual, Fire Protection Hazards Analysis, and Safe Shutdown Capability Assessment. An electronic copy has been provided for reference.

I&M is submitting an electronic copy of the UFSAR (Enclosure 1) on a CD-ROM (Disk 1) in accordance with 10 CFR 50.4 and NRC Guidance for Electronic Submissions to the NRC.

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A second CD-ROM (Disk 2) provides electronic copies of the following:

- Summary of UFSAR Changes for Versions 21.1, 21.2, and Revision 22 (Enclosure 2)
- CNP report of Changes, Tests, and Experiments as required by 10 CFR 50.59(d)(2) (Enclosure 3)
- CNP Commitment Change Summary Report, which was prepared in accordance with NEI 99-04 (Enclosure 4)
- CNP Quality Assurance Program Description, Revision 20 (Enclosure 5)
- CNP Description of Changes for Unit 1 and 2 Technical Specification Bases and Technical Requirements Manuals (Enclosure 6)
- CNP Unit 1 updated Technical Specification Bases (Enclosure 7)
- CNP Unit 2 updated Technical Specification Bases (Enclosure 8)
- CNP Unit 1 updated Technical Requirements Manual (Enclosure 9)
- CNP Unit 2 updated Technical Requirements Manual (Enclosure 10)
- CNP Fire Protection Program Manual (Enclosure 11)
- CNP Fire Hazards Analysis (Enclosure 12)
- CNP Safe Shutdown Capability Assessment (Enclosure 13)

This submittal contains no new or revised commitments. Should you have any questions, please contact:

Name: Mr. John A. Zwolinski, Regulatory Affairs Manager
Mailing Address: Donald C. Cook Nuclear Plant
One Cook Place
Bridgman, Michigan 49106
Mail Zone 4A
Email Address: jazwolinski@aep.com
Phone: (269) 466-2478
Document Components:

A total of two (2) CD-ROMS are included in this submittal. The CD-ROM labeled Enclosure 1 to AEP-NRC-2008-37 contains the following two (2) folders and two (2) files to allow access and search capability: Ufsar folder and Acroread folder; FSARstart.PDF file and Readme.txt file.

File Name		File Size	Sensitivity Level
Acroread	(folder)	6,488,064 bytes	Publicly available
Ufsar	(folder)	416,464,896 bytes	Publicly available
FSARstart.PDF	(file)	344,064 bytes	Publicly available
Readme.txt	(file)	2,048 bytes	Publicly available

The CD-ROM labeled CNP Enclosures 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 to AEP-NRC-2008-37 contains the following twelve (12) files:

File Name		File Size	Sensitivity Level
001_Enclosure2.pdf	(file)	1,050,624 bytes	Publicly available
002_Enclosure3.pdf	(file)	557,056 bytes	Publicly available
003_Enclosure4.pdf	(file)	325,632 bytes	Publicly available
004_Enclosure5.pdf	(file)	2,582,528 bytes	Publicly available
005_Enclosure6.pdf	(file)	323,584 bytes	Publicly available
006_Enclosure7.pdf	(file)	8,837,120 bytes	Publicly available
007_Enclosure8.pdf	(file)	9,068,544 bytes	Publicly available
008_Enclosure9.pdf	(file)	3,883,008 bytes	Publicly available
009_Enclosure10.pdf	(file)	3,876,864 bytes	Publicly available
010_Enclosure11.pdf	(file)	22,464,512 bytes	Publicly available
011_Enclosure12.pdf	(file)	24,559,616 bytes	Publicly available
012_Enclosure13.pdf	(file)	4,526,080 bytes	Publicly available

Enclosure Titles:

1. Donald C. Cook Nuclear Plant UFSAR, Revision 22
2. Donald C. Cook Nuclear Plant UFSAR – Summary of UFSAR Changes for Versions 21.1, 21.2, and Revision 22
3. Donald C. Cook Nuclear Plant Report of Changes, Tests, and Experiments Pursuant to 10 CFR 50.59(d)(2)
4. Donald C. Cook Nuclear Plant Commitment Change Summary Report
5. Donald C. Cook Nuclear Plant Quality Assurance Program Description, Revision 20
6. Donald C. Cook Nuclear Plant TS Bases and TRM description of change report
7. Donald C. Cook Nuclear Plant Unit 1 TS Bases Update
8. Donald C. Cook Nuclear Plant Unit 2 TS Bases Update
9. Donald C. Cook Nuclear Plant Unit 1 Technical Requirements Manual Update
10. Donald C. Cook Nuclear Plant Unit 2 Technical Requirements Manual Update
11. Fire Protection Program Manual, Revision 10
12. Fire Hazards Analysis, Revision 13
13. Safe Shutdown Capability Assessment, Revision 13

Sincerely,



Lawrence J. Weber
Site Vice President

RSP/rdw

- c: T. A. Beltz - NRC Washington, DC
- J. L. Caldwell - NRC Region III
- K. D. Curry - AEP Ft. Wayne, w/o enclosures
- J. T. King – MPSC, w/o enclosures
- MDEQ - WHMD/RPS, w/o enclosures
- NRC Resident Inspector

AFFIRMATION

I, Lawrence J. Weber, being duly sworn, state that I am Site Vice President of Indiana Michigan Power Company (I&M), that I am authorized to sign and file this letter with the Nuclear Regulatory Commission on behalf of I&M, and that the statements made and the matters set forth herein pertaining to I&M are true and correct to the best of my knowledge, information, and belief.

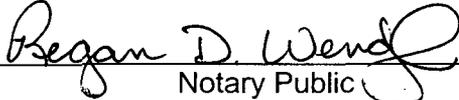
Indiana Michigan Power Company



Lawrence J. Weber
Site Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 28th DAY OF October, 2008



Notary Public

My Commission Expires **REGAN D. WENZEL**
Notary Public, Barton County, MO
My Commission Expires Jan. 21, 2009

ENCLOSURE 1 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

UFSAR – REVISION 22

CD Number 1

ENCLOSURE 2 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

SUMMARY OF UFSAR CHANGES FOR VERSIONS 21.1, 21.2, AND REVISION 22

CD Number 2

17 Pages

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Abbreviations – 1 page
Version 21.1 – 2 pages
Version 21.2 – 9 pages
Revision 22 – 5 pages

ENCLOSURE 3 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

REPORT OF CHANGES, TESTS, AND EXPERIMENTS PURSUANT TO 10 CFR 50.59(d)(2)

CD Number 2

ENCLOSURE 4 TO AEP-NRC-2008-37
DONALD C. COOK NUCLEAR PLANT
COMMITMENT CHANGE SUMMARY REPORT

CD Number 2

4 Pages

ENCLOSURE 5 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION 20

CD Number 2

ENCLOSURE 6 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

TECHNICAL SPECIFICATION BASES AND TECHNICAL REQUIREMENTS MANUAL
DESCRIPTION OF CHANGE REPORT

CD Number 2

ENCLOSURE 7 TO AEP-NRC-2008-37
DONALD C. COOK NUCLEAR PLANT
UNIT 1 TECHNICAL SPECIFICATION BASES UPDATE

CD Number 2

ENCLOSURE 8 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

UNIT 2 TECHNICAL SPECIFICATION BASES UPDATE

CD Number 2

ENCLOSURE 9 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

UNIT 1 TECHNICAL REQUIREMENTS MANUAL UPDATE

CD Number 2

ENCLOSURE 10 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

UNIT 2 TECHNICAL REQUIREMENTS MANUAL UPDATE

CD Number 2

ENCLOSURE 11 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

FIRE PROTECTION PROGRAM MANUAL, REVISION 10

CD Number 2

ENCLOSURE 12 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

FIRE HAZARDS ANALYSIS, REVISION 13

CD Number 2

ENCLOSURE 13 TO AEP-NRC-2008-37

DONALD C. COOK NUCLEAR PLANT

SAFE SHUTDOWN CAPABILITY ASSESSMENT, REVISION 13

CD Number 2